

ABSTRACT OF THE DISCLOSURE

A coal bed methane wastewater treatment system for efficiently and cost effectively treating wastewater generated from coal bed methane production. The coal bed methane wastewater treatment system includes collecting wastewater into an ozone diffusion tank where ozone is injected into the wastewater, passing the wastewater through a prefilter tank and then through a primary membrane. The treated water is separated to a permeate tank and the concentrated water is passed through a secondary membrane for further separation. The concentrated water is then placed within a holding pond for evaporation thereof. The treated water may be utilized to clean the prefilter tank and the membranes. The treated water is then dispensed into a sodium adsorption ratio tank prior to being released to a natural waterway.